

#19



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/637,530C

DATE: 08/21/2003
TIME: 08:24:27

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AUG 27 2003

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TECH CENTER 1600/2003

3 <110> APPLICANT: STANNERS, Clifford P.
4 ILANTZIS, Christian
5 ORDONEZ-GARCIA, Cosme
6 TAHERI, Maryam
7 SCREATON, Robert A.
9 <120> TITLE OF INVENTION: CEA/NCA-BASED DIFFERENTIATION CANCER THERAPY
11 <130> FILE REFERENCE: 186.009US1
13 <140> CURRENT APPLICATION NUMBER: 09/637,530C
14 <141> CURRENT FILING DATE: 2000-08-11
16 <150> PRIOR APPLICATION NUMBER: CA99/00119
17 <151> PRIOR FILING DATE: 1999-02-11
19 <150> PRIOR APPLICATION NUMBER: CA 2,224,129
20 <151> PRIOR FILING DATE: 1998-02-12
22 <160> NUMBER OF SEQ ID NOS: 30
24 <170> SOFTWARE: PatentIn Ver. 2.1
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58 <212> TYPE: PRT
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76           20           25           30
78 Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Gln Ile Ile Gly Tyr
79           35           40           45
81 Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg
82   50           55           60
84 Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Gln
85   65           70           75           80
87 Asn Asp Thr Gly Phe Tyr Thr Leu His Val Ile Lys Ser Asp Leu Val
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90 Asn Glu Glu Ala Thr Gly Gln Phe Arg Val Tyr
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167           20           25           30
169 Trp Tyr Lys Gly Glu Arg Val Asp Gly Gly Tyr Val Ile Gly Thr Gln
170           35           40           45
172 Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg Glu Ile Ile Tyr Pro
173           50           55           60
175 Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Gln Asn Asp Thr Gly Phe
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199           20           25           30
201 Trp Tyr Lys Gly Glu Arg Val Asp Gly Asp Arg Gln Ile Ile Gly Tyr
202           35           40           45
204 Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg
205           50           55           60
207 Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Gln
208   65           70           75           80
210 Asn Asp Thr Gly Phe Tyr Thr Leu His Val Ile Lys Ser Asp Leu Val
211           85           90           95
213 Asn Glu Glu Ala Thr Gly Gln Phe Arg Val Tyr

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227          20          25          30
229 Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Gln Lys Ile Gly Tyr
230          35          40          45
232 Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg
233          50          55          60
235 Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Gln
236   65          70          75          80
238 Asn Asp Thr Gly Phe Tyr Thr Leu His Val Ile Lys Ser Asp Leu Val
239          85          90          95
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258   1          5          10          15
260 Val Leu Leu Leu Val His Asn Leu Pro Gln His Leu Phe Gly Tyr Ser
261          20          25          30
263 Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Gln Ile Val Gly Tyr
264          35          40          45
266 Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg
267          50          55          60
269 Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Gln
270   65          70          75          80
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288 Val Leu Leu Leu Val His Asn Leu Pro Gln His Leu Phe Gly Tyr Ser
289          20          25          30
291 Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Arg Ile Val Gly Tyr

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292          35          40          45
294 Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg
295          50          55          60
297 Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Gln
298 65          70          75          80
300 Asn Asp Thr Cys Phe Tyr Thr Leu His Val Ile Lys Ser Asp Leu Val
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303 Asn Glu Glu Ala Thr Gly Gln Phe Arg Val Tyr
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323          20          25          30
325 Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Gln Ile Ile Gly Tyr
326          35          40          45
328 Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg
329          50          55          60
331 Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Ala
332 65          70          75          80
334 Asn Asp Thr Gly Phe Tyr Thr Leu His Val Ile Lys Ser Asp Leu Val
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351          20          25          30
353 Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Gln Ile Ile Gly Tyr
354          35          40          45
356 Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg
357          50          55          60
359 Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Arg
360 65          70          75          80
362 Asn Asp Thr Gly Phe Tyr Thr Leu His Val Ile Lys Ser Asp Leu Val
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366          100          105
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376 <211> LENGTH: 107

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